



Reply To: 3460

Date: December 3, 1992

Mr. Greg Mollenkopf  
U.S. Army Corps of Engineers  
Attn: CENAB-OP-PN  
P.O. Box 1715  
Baltimore, MD 21203

Dear Greg:

On October 27 and 28, 1992, USDA Forest Service personnel conducted a gypsy moth egg mass survey at Raystown Lake. This U.S. Army Corps of Engineers project is planning to treat five areas with an aerial application of Bacillus thuringiensis (B.t.) in 1993.

The results of the survey are presented in Table 1. The survey plot locations and the proposed treatment areas are shown in Figures 1-4. In brief, egg mass densities averaged 16, 150 and 40 egg masses per acre, respectively, in the proposed treatment blocks at Seven Points Recreation Area, Ridenour Overlook and Nancy's Boat to Shore. No egg masses were detected in the proposed treatment block at Susquehannock or the area near the dam. No noticeable defoliation is likely in any of these five areas so our recommendation is not to treat these proposed spray blocks.

Please extend our thanks to all the Corps personnel that conducted the preliminary egg mass surveys at the Corps projects in the Baltimore District. This saved us some valuable time and money. We look forward to your continued cooperation. If you have any questions or need further information, please call me at 304-285-1541.

Sincerely,

*Rodney L. Whiteman*

RODNEY L. WHITEMAN  
Forestry Technician  
Forest Health Protection

Enclosures

cc: AO  
Larry Rhoads  
Dwight Beal

RLW/ct

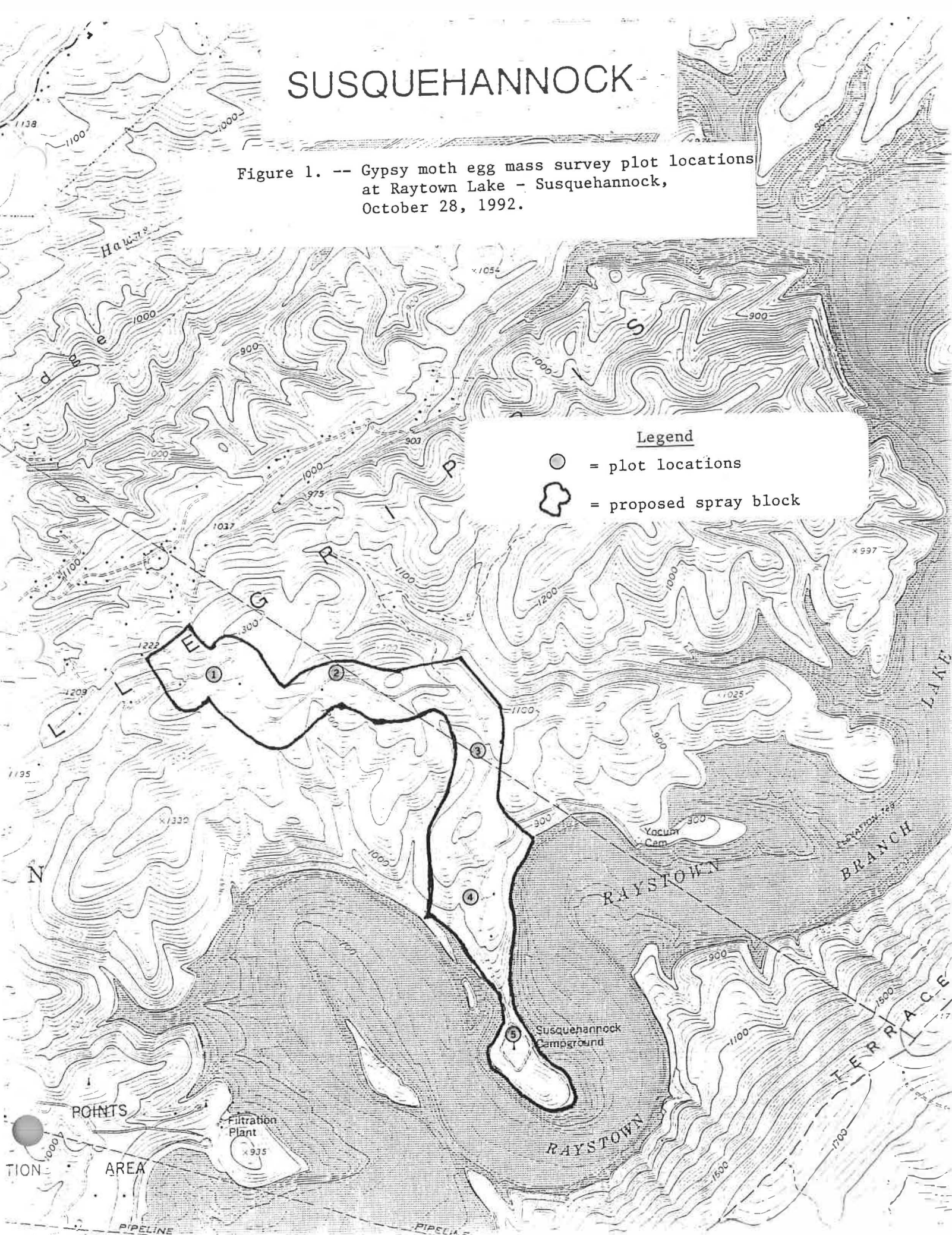


Table 1. -- Gypsy Moth Egg Mass Survey Results at  
Raystown Lake, October 27 and 29, 1992.

Plot Number	Number EM/Acre	Proposed Treatment Block
1	0	Susquehannock
2	0	
3	0	
3	0	
4	0	
5	0	Seven Points Recreation Area
Average	0	
6	40	
7	40	
8	0	
9	0	Ridneour Overlook
10	0	
Average	16	
11	0	
12	0	
13	360	Dam Area
14	240	
Average	150	
15	0	
16	0	Nancy's Boat to Shore
Average	0	
17	0	
18	120	
19	0	
20	40	
Average	40	

# SUSQUEHANNOCK

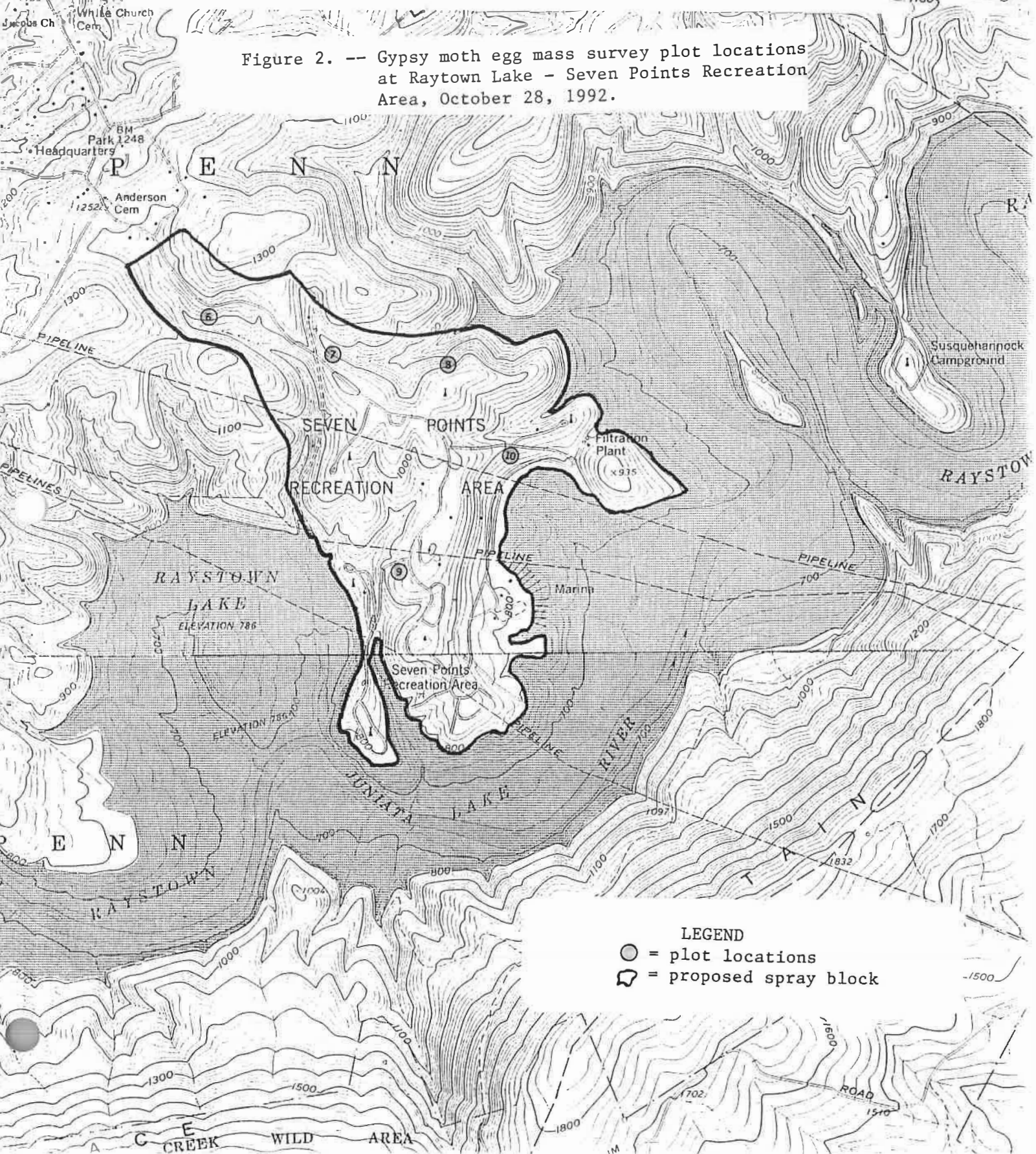
Figure 1. -- Gypsy moth egg mass survey plot locations at Raytown Lake - Susquehannock, October 28, 1992.





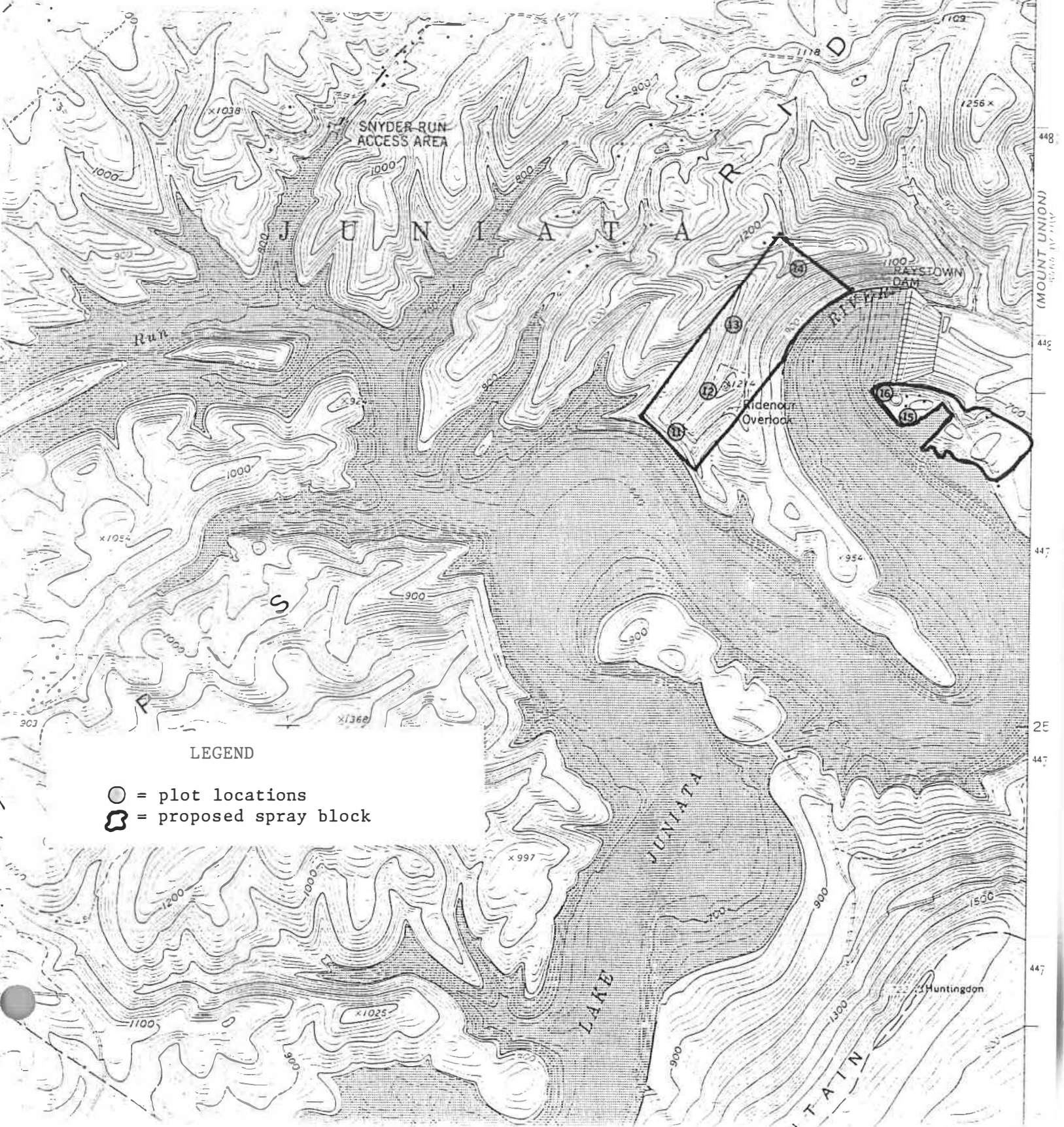
# SEVEN POINTS RECREATION AREA

Figure 2. -- Gypsy moth egg mass survey plot locations at Raystown Lake - Seven Points Recreation Area, October 28, 1992.



# DAM AND RIDENOUR OVERLOOK AREA

Figure 3. -- Gypsy moth egg mass survey plot locations at Raytown Lake - Dam and Ridenour Overlook Area, October 27, 1992.





# NANCY'S BOAT-TO-SHORE

Figure 4. -- Gypsy moth egg mass survey plot locations at Raytown Lake - Nancy's Boat-to-Shore, October 28, 1992.

This topographic map illustrates the Raytown Lake area, including the surrounding terrain, water bodies, and various landmarks. The map features contour lines indicating elevation, with labels such as 800, 900, 1000, 1100, 1200, 1300, 1400, and 1500. Key geographical features include Raytown Lake, Trough Creek, and the Raytown River. The map also shows the location of Nancy's Campground, which is marked with a shaded area. A proposed spray block is outlined in black and contains four numbered plot locations (17, 18, 19, 20). The map includes a legend in the bottom right corner, defining the symbols for plot locations (a circle with a dot) and the proposed spray block (a black outline). The map is titled "NANCY'S BOAT-TO-SHORE" at the top. A caption below the title reads: "Figure 4. -- Gypsy moth egg mass survey plot locations at Raytown Lake - Nancy's Boat-to-Shore, October 28, 1992." The map also shows other features like "Rothrock State Forest", "Wild Area", "Trough Creek Wild Area", "Balanced Rock", "Old Forge", "Raytown", "Allegri", "Oln", "Jeep", "Trail", "Shut", "Cem", "James Creek", "Elevation 738", "1184", "1107", "1100", "1070", "1000", "900", "800", "700", "600", "500", "400", "300", "200", "100", "0", "100", "200", "300", "400", "500", "600", "700", "800", "900", "1000", "1100", "1200", "1300", "1400", "1500", "1600", "1700", "1800", "1900", "2000", "2100", "2200", "2300", "2400", "2500", "2600", "2700", "2800", "2900", "3000", "3100", "3200", "3300", "3400", "3500", "3600", "3700", "3800", "3900", "4000", "4100", "4200", "4300", "4400", "4500", "4600", "4700", "4800", "4900", "5000", "5100", "5200", "5300", "5400", "5500", "5600", "5700", "5800", "5900", "6000", "6100", "6200", "6300", "6400", "6500", "6600", "6700", "6800", "6900", "7000", "7100", "7200", "7300", "7400", "7500", "7600", "7700", "7800", "7900", "8000", "8100", "8200", "8300", "8400", "8500", "8600", "8700", "8800", "8900", "9000", "9100", "9200", "9300", "9400", "9500", "9600", "9700", "9800", "9900", "10000".

LEGEND

- = plot locations
- ⬢ = proposed spray block

# NANCY'S BOAT-TO-SHORE

Figure 4. -- Gypsy moth egg mass survey plot locations at Raytown Lake - Nancy's Boat-to-Shore, October 28, 1992.

This topographic map illustrates the study area for gypsy moth egg mass surveys. The map features Raytown Lake, a large body of water in the center. To the west of the lake is a ridge labeled 'OLN' with elevations ranging from 900 to 1100 feet. To the east is another ridge labeled 'ALLEGRIPPIS' with elevations from 1000 to 1300 feet. The 'RAYTOWN RIVER' flows into the lake from the south. A 'JEOP' (likely a jeep trail) is marked on the western shore. A 'TRAIL' is shown on the eastern shore. A 'NANCY'S Campground' is located on the eastern shore, with a 'proposed spray block' outlined around it. The 'TROUGH CREEK WILD AREA' is situated to the east of the lake. The 'ROTHROCK STATE FOREST' is located to the south of the lake. A 'BALANCED Rock' is marked on the southern shore. The map includes a legend indicating that circles represent 'plot locations' and a shaded area represents the 'proposed spray block'. The map also shows various contour lines and elevation markers.

LEGEND

- = plot locations
- ◻ = proposed spray block

